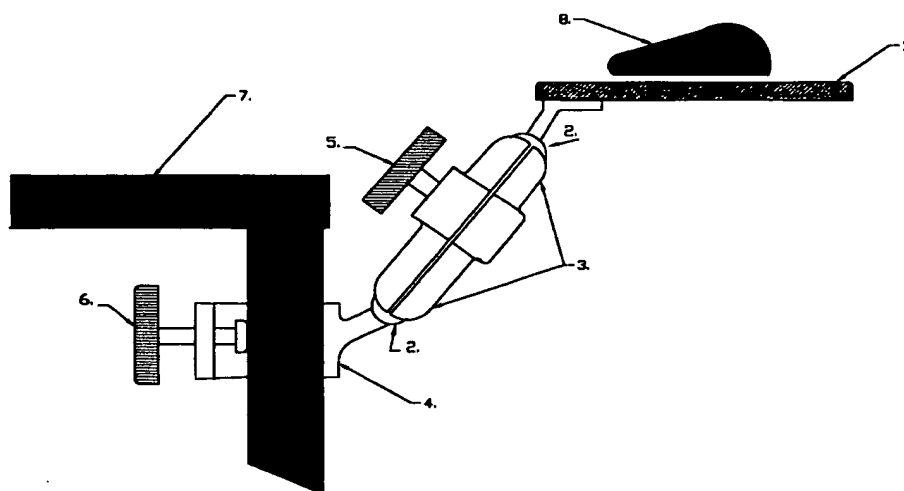


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(54) **LE TAPIS A SOURIS ARTICULANT**
(54) **THE ARTICULATING MOUSE PAD**



(57) The Articulating Mouse Pad is a computer accessory that is intended for use by persons surfing the Internet, graphic designers, mechanical designers, handicapped persons or for areas where space and comfort is at a premium. The Mouse Pad damps onto the vertical post of an armchair (or wheelchair) so that the user can manipulate the mouse while in a natural and most comfortable position. This way the user is prevented from stretching to his/her desk and suffering from cramps and strains that occur from such use. The bottom clamp section and the top pad section can rotate and tilt through 180 degrees.



TITLE OF INVENTION

ARTICULATING MOUSE PAD

BACKGROUND OF THE INVENTION

This invention was designed to allow a computer mouse to be used virtually anywhere away from the desk. Specifically, it can clamp onto the armrest of an armchair to make it's use more comfortable. The invention can also attach to wheelchairs, desks, travel trays, etc.

Internet users, graphic artists and engineers who use the mouse extensively will welcome this invention as a relief from such ailments as stress and carpal tunnel syndrome. Handicapped persons will find it most helpful when they are using the computer or other such functions.

Standard pads for the mouse all require reaching unnaturally to the desk. This invention allows the user to have the mouse located in the most natural position possible so that the user can always be in the resting position.

BREIF SUMMARY OF THE INVENTION

This invention consists of a clamping device, a pair of pivotal ball and socket joints and a pad surface for the mouse. The intention of the invention is to allow the mouse to be used from virtually any position. Mainly, it could be attached to the armrest of a chair (including a wheel chair for handicapped persons). The pivoting ball and socket joints allow the mouse surface to be adjusted and place horizontal, no matter what it is clamped to.

BREIF DESCRIPTION OF THE SEVERAL VIEWS OF THE INVENTION

Figure 1.0 is an exploded view of the invention. The clamp (4) and clamping screw (6) attach the mouse pad to most surfaces. The balls (2) and sockets (3) are adjusted and tightened by the socket thumbscrew (5). This allows the mouse surface (1) to be kept level no matter what the clamp (4) is tightened to. The swivel of the balls (2) and socket (3) enable the mouse surface (1) and/or the clamp (4) to be articulated anywhere within a 180 degree sphere.

DETAILED DESCRIPTION OF THE CONSTRUCTION OF THE INVENTION

The mouse pad will be molded out of plastic in four separate pieces (or machined out of aluminium in six separate pieces and fixed together by screws). Viewed in Fig 1.0 the mouse surface (1) and one ball (2) will be molded together. The sockets (3) will be molded in two halves and the clamp (4) and the other ball (2) will be molded in one piece. The thumb screws (5 & 6) will consist of a molded plastic knob and a machine screw. The clamping thumbscrew (6) will have a rubber pad on the end to protect the furniture or clamping surface. The balls (2) and sockets (3) will have a serrated surface to make them hold better after they are tightened. A standard injection molding process will be used to produce the various parts. Referring to Fig 2.0 the clamp and thumbscrew (4 & 6) will be used to attach the unit to almost any vertical, horizontal or curved surface (Fig 3.0 - #7, armchair). The sockets (3) will be clamped together by the thumbscrew (5) with the balls at either end. When the thumbscrew (5) is loosened the balls will move freely in the sockets and therefore allow the mouse pad (1) to be positioned in the most suitable location. Once in place the thumb screw (5) is tightened and the entire fixture is secure and ready for use.

ABSTRACT OF THE DISCLOSURE

The Articulating Mouse Pad is a computer accessory that is intended for use by persons surfing the internet, graphic designers, mechanical designers, handicapped persons or for areas where space and comfort is at a premium. The Mouse Pad clamps onto the vertical post of an armchair (or wheelchair) so that the user can manipulate the mouse while in a natural and most comfortable position. This way the user is prevented from stretching to his/her desk and suffering from cramps and strains that occur from such use. The bottom clamp section and the top pad section can rotate and tilt through 180 degrees.

CLAIM or CLAIMS

I claim:

1. That the mouse pad can be articulated in any direction through 180 degrees to provide the most comfortable position possible.
2. That the mouse pad can be attached to most vertical, horizontal or curved surfaces.
3. That the mouse pad is suitable for armchairs, wheelchairs, desks, slide-out trays, tray tables on airplanes, armrests on trains, etc.
4. That the mouse pad will reduce or eliminate stress, carpal tunnel syndrome, fatigue, and other health problems related computer mouse use.
5. That this mouse pad is ideal for use with wireless mice or trackballs.
6. That the mouse pad will fold up for easy transportation or storage.

ABSTRACT OF THE DISCLOSURE

The Articulating Mouse Pad is a computer accessory that is intended for use by persons surfing the internet, graphic designers, mechanical designers, handicapped persons or for areas where space and comfort is at a premium. The Mouse Pad clamps onto the vertical post of an armchair (or wheelchair) so that the user can manipulate the mouse while in a natural and most comfortable position. This way the user is prevented from stretching to his/her desk and suffering from cramps and strains that occur from such use. The bottom clamp section and the top pad section can rotate and tilt through 180 degrees.

The Articulating Mouse Pad by CAM RYTE

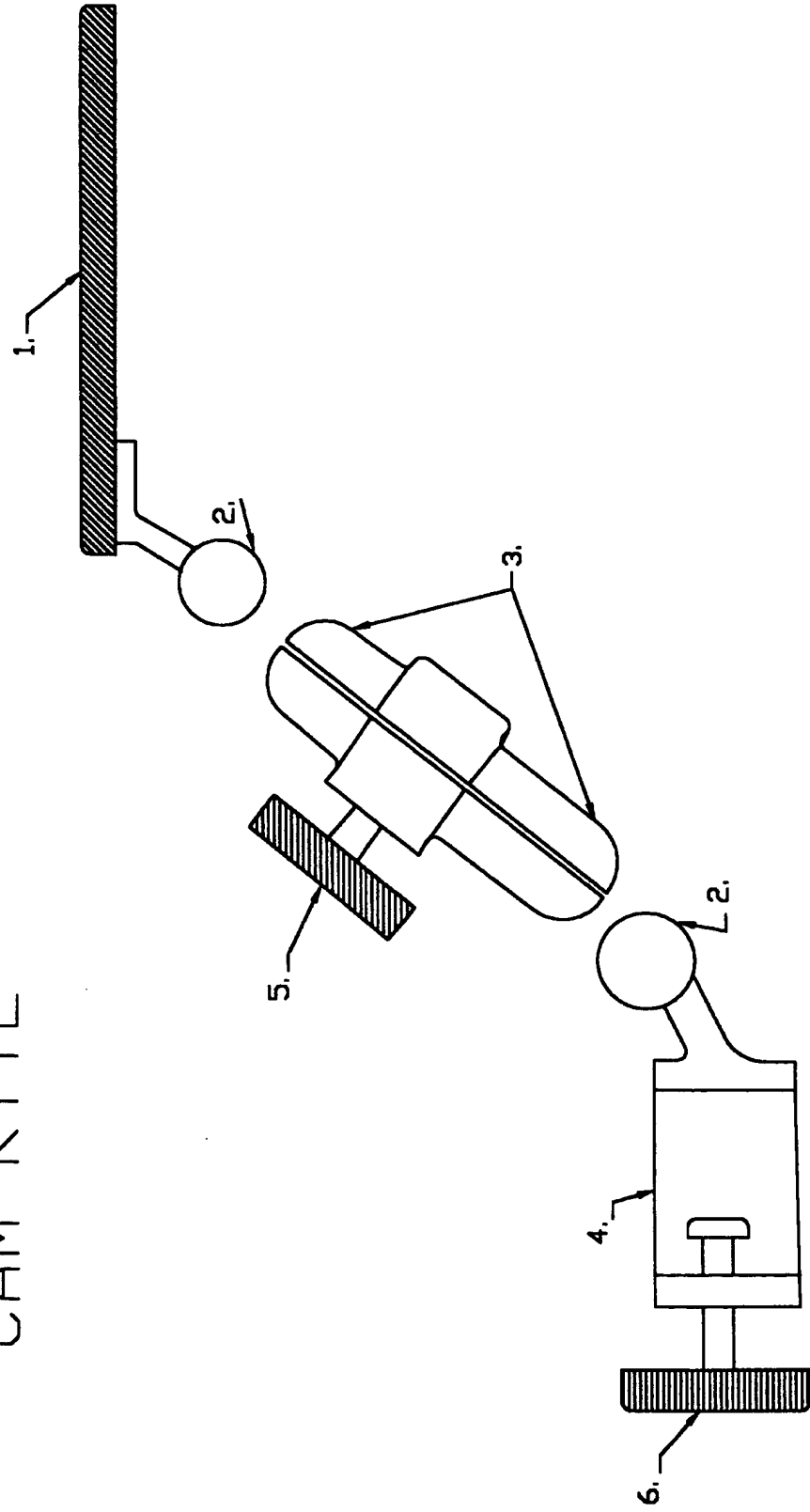


Fig. 1.0

The Articulating Mouse Pad by CAM RYTE

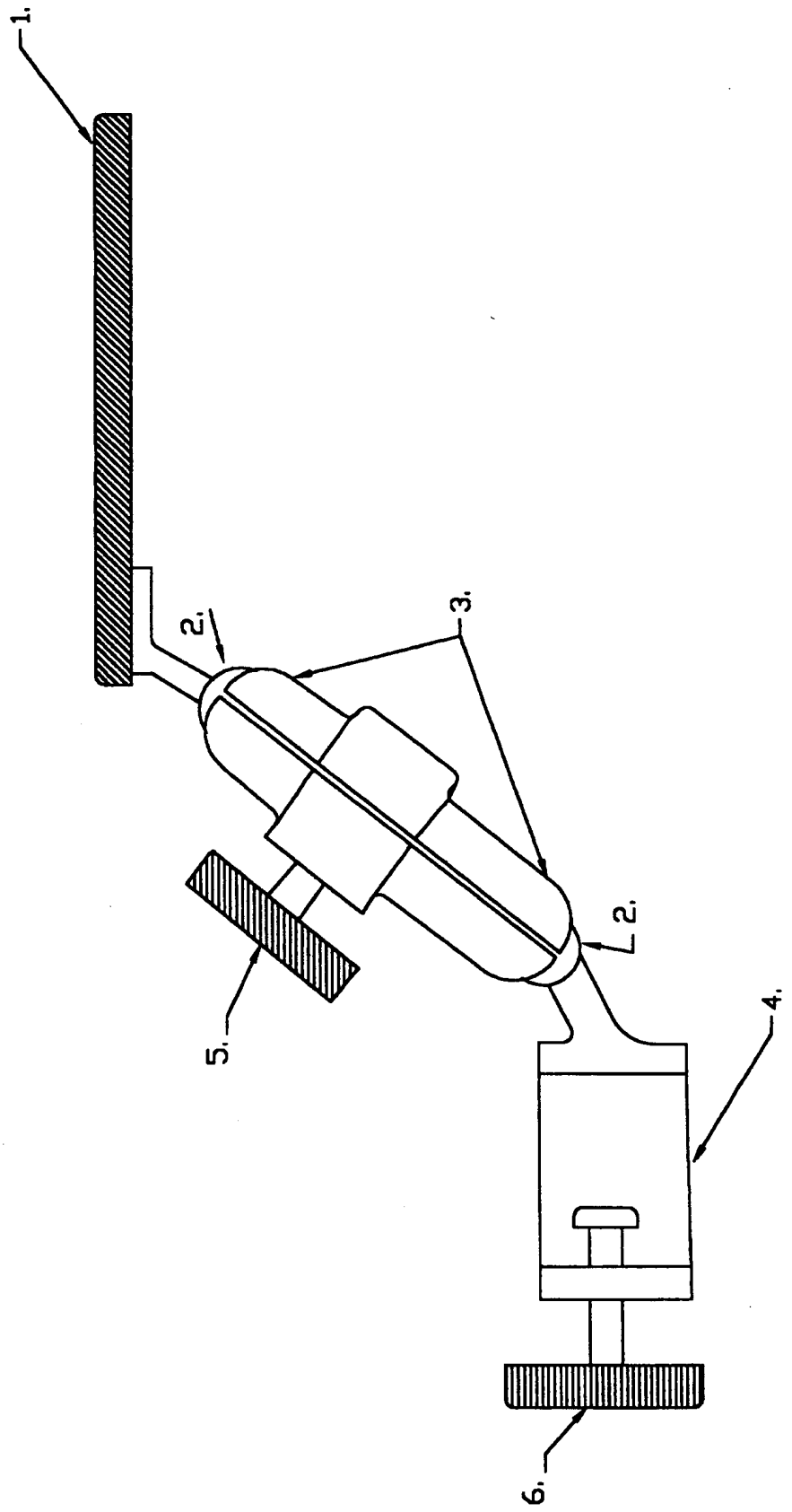


Fig. 2.0

The Articulating Mouse Pad by
CAM RYTE

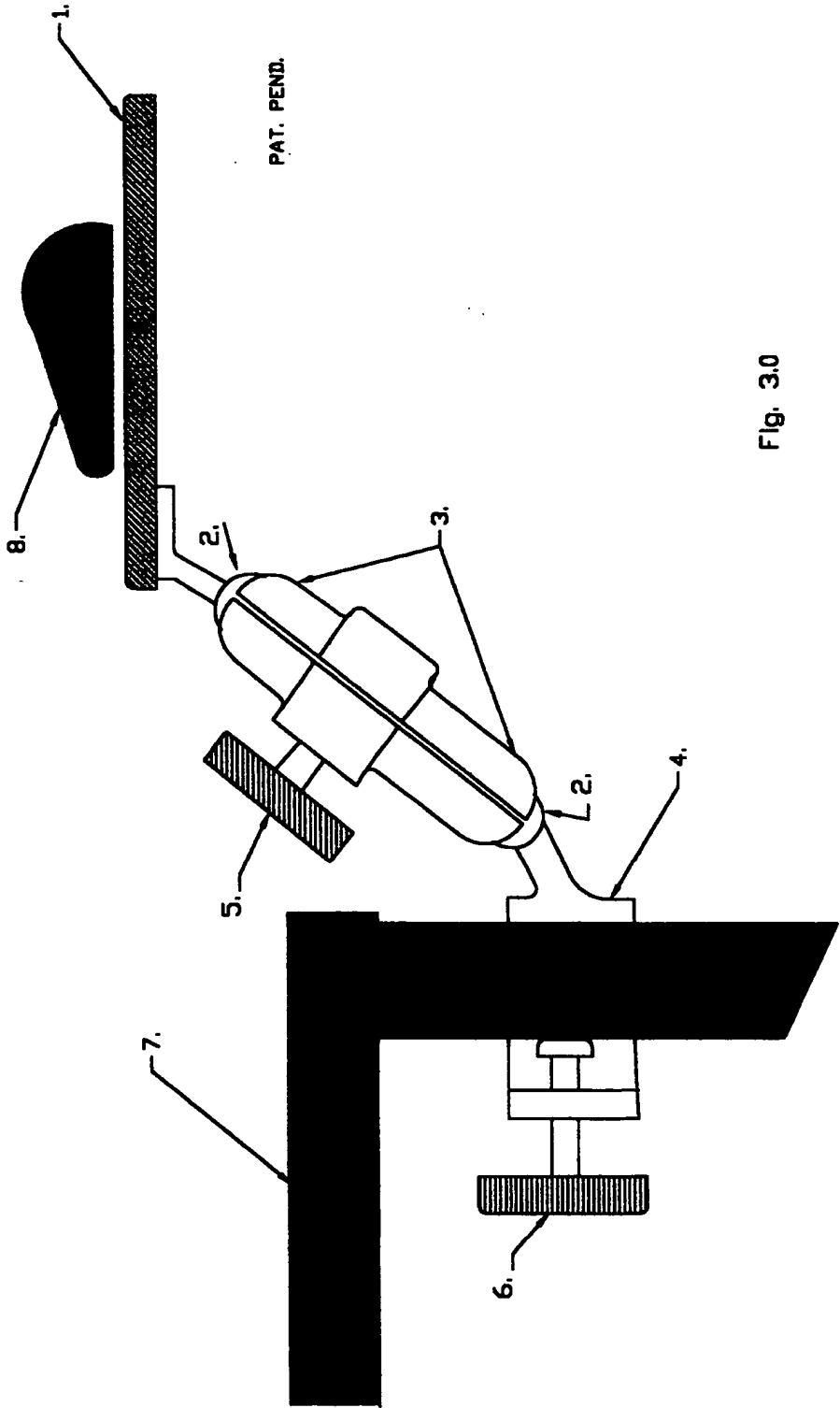
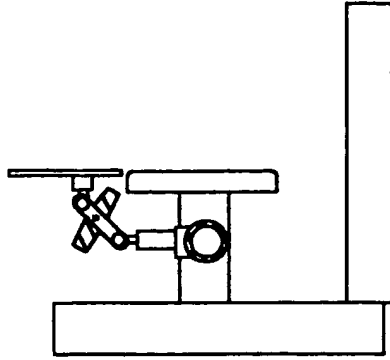
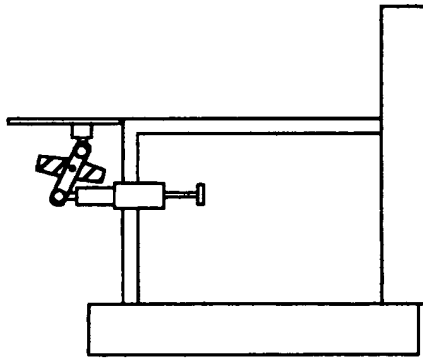


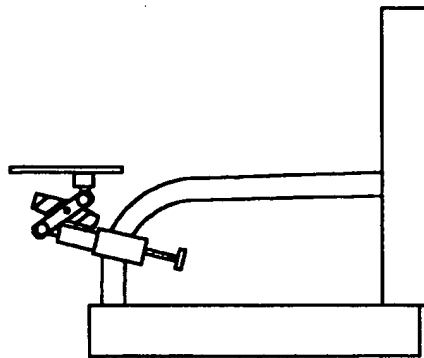
Fig. 3.0



TEE ARMREST



SQUARE ARMREST



ROUND ARMREST

Fig. 4